



# Class 001-19



# Welcome to the Patriot Top Gun Course

Orientation Briefing  
CW3 Kevin Kruthers  
7 May 2021



# 21st Century Soldier Competencies



**Character and accountability** - Soldiers and leaders demonstrate Army Values, the Soldier's Creed, and the Warrior Ethos through action while also developing character and accountability.

**Comprehensive fitness** – Soldiers and leaders develop and maintain individual, as well as that of their subordinates, physical, emotional, social, family, and spiritual fitness.

**Lifelong learner** – Soldiers and leaders continually assess themselves, identify what they need to learn and use skills that help them to effectively acquire and update knowledge, skills, and attitudes.

**Teamwork and collaboration** – Soldiers and leaders create high-performing and informal groups by leading, motivating, and influencing individuals and partners to work toward common goals effectively.

**Communication and engagement** – Soldiers and leaders express themselves clearly and succinctly in oral, written, and digital communications.

**Critical thinking and problem solving** – Soldiers and leaders analyze and evaluate thinking with a view on improving it.

**Cultural and joint, interagency, intergovernmental, and multinational competence** – Soldiers and leaders use cultural fundamentals, self-aware skills, and regional competence to act effectively in any situation.

**Tactical and technical competence** – Soldiers and leaders employ tactical and technical skills in full-spectrum operations to accomplish the mission and support the commander's intent.



# Army Values



**Loyalty** - Bear true faith and allegiance to the U.S. Constitution, the Army, your unit and other Soldiers.

**Duty** - Fulfill your obligations.

**Respect** - Treat people as they should be treated.

**Selfless Service** - Put the welfare of the Nation, the Army, and your subordinates before your own.

**Honor** - Live up to all the Army Values.

**Integrity** - Do what's right, legally and morally.

**Personal Courage** - Face fear, danger, or adversity.



# Soldier's Creed



I am an American Soldier  
I am a Warrior and a member of a team.  
I serve the people of the United States and live the Army Values.  
***I will always place the mission first.***  
***I will never accept defeat.***

***I will never quit.***

***I will never leave a fallen comrade.***

I am disciplined, physically and mentally tough, trained and proficient  
In my warrior tasks and drills, I always maintain my arms, my  
Equipment and myself.

I am an expert and I am a professional.

I stand ready to deploy, engage, and destroy the enemies of the United  
States of America in close combat.

I am a guardian of freedom and the American way of life.

I am an American Soldier.



# Administrative Announcements

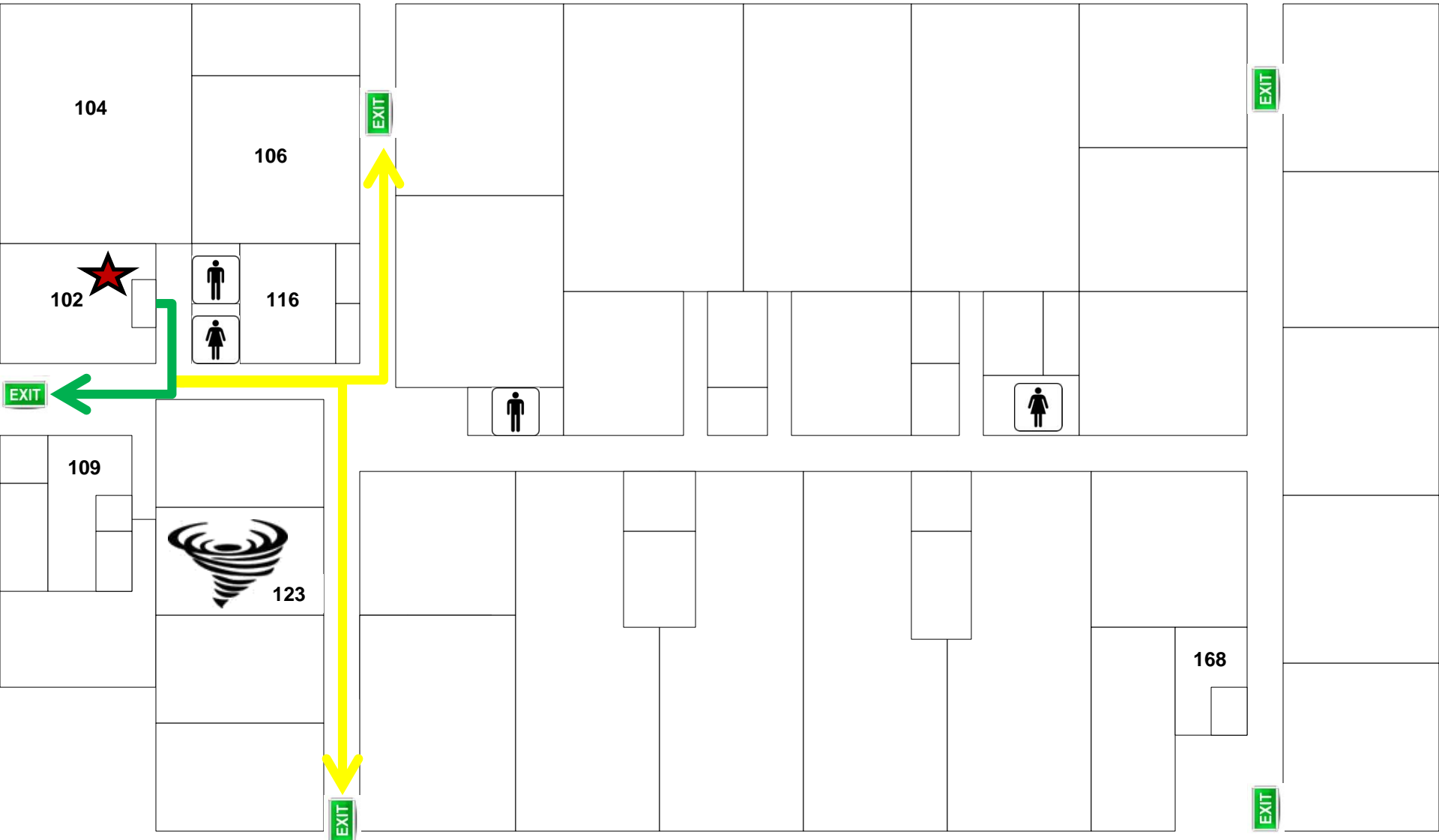


- NO tobacco use in the classroom or PE area
- NO eating in the classroom or PE areas
- NO sleeping
- Latrine Location and Break Area
- Active Shooter
- Cell phones and pagers
- Sexual Harassment
- Clean-up/maintenance/attendance
- Fire and Bomb Threat procedures
- Tornado





# Monti Hall





# Terminal Learning Objective



## **ACTION:**

Receive an orientation brief on the Patriot Top Gun course.

## **CONDITION:**

In a classroom, given all issued training materials, applicable TMs, FMs and handouts.

## **STANDARD:**

Comprehend course requirements/standards



# Outline



- Purpose
- Scope
- Structure
- Graduation Requirements
- Honor Code
- Questions





# Purpose



To prepare students for duties as advanced AMD planners as a BN (or higher) Standardization Officer, ADAFCO, and/or S-3 through an intensive series of educational experiences centered on the art and science of mission/threat analysis, and Air and Missile Defense design.



# Scope



This six week course is extremely demanding and will challenge your competencies using hands on training, examinations, and practical exercises. Students are required to design a Patriot battalion defense and present their plan before a defense design panel of subject-matter experts.



## ... A Word From the Field



“... I like to think I took the Prov. 1:5 approach and took what I learned and then kept growing it. [Name removed] was here in Huntsville last week and we met professionally with one of the guys from my class who didn't graduate. He now does USSTRATCOM level AMD analysis for SMDC and is good at it. We discussed the fact that Top Gun doesn't just validate those who are already at the "SME" level; it is a spring board for further growth for those who take the humbling experience and use it as a catalyst to get better. It is what you make of it!”

“... I was an attendee of the Top Gun course, and did not graduate. My assignment was supposed to be in a staff position in the AAMDC in the Attack Ops cell in a non-ADA capacity... when I arrived and they found out that I was an attendee of Top Gun, and they made me an ADAFCO.



## What Do We Expect/Need From Our Top Guns?



1. Straight shooter
2. Well spoken
3. Tactical/Technical Expert
  - a. Explicit Knowledge
    - Technical Expertise
    - End of Module Testing
  - b. Tacit Knowledge
    - Tactical Expertise
    - Defense Design Board



# Intellectual Standards



## Intellectual Standards

## Guiding Questions

CLARITY	Be prepared to elaborate your comments.
	Be prepared to give multiple examples.
	Be prepared to give verbal and visual illustrations.
ACCURACY	Have you seen it in writing?
	Do you trust the source?
	How can you verify information is true?
PRECISION	Answers should be short, concise, and to the point.
	Have you been specific in your speech?
	Never assume the audience does not understand.
RELEVANCE	Does what you say relate to the problem/topic?
	Does what you say/do bear real weight on the topic?
	Are you helping or hurting the process?
DEPTH	How much information have you gathered about the problem/question?
	What are some of the factors that are making this problem difficult?
	What are your resources for gaining more information?
BREADTH	Are we looking at the entire problem "across the board"?
	Secondary and tertiary effects.
	Life long learning.
LOGIC	Does what I say make sense?
	Am I able to defend my argument with sound logic?
	Am I certain that what I am saying can be backed by documentation?
SME	Be humbled by the system. Realize that "SME" is a situational term.
	Take time to think about the answer you want to say. I don't know is OK-ish
	"It depends" is OK as long as you can back it with the appropriate variables.
MEANING	Words have meanings.



# Structure



- Module A – Radar Theory
  - EOM Examination
- Module B – Joint Interoperability
  - EOM Examination
- Module E – Ballistic Missile and Patriot Caps and Lims
  - EOM Examination
- Module C – Inter/Intra Service
- Module D – Defense Design
  - Defense Design Products
  - Defense Design Board





# JUNE 2021

JUNE							
June	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	
28	31	1 - Orientation - Diagnostic Exam	2	3	4	5	
	MEMORIAL DAY	Module A: Radar Theory				Classroom available (4hrs)	
		- Counseling					
6	7 - Module A Exam Exam (3 hrs)	8	9	10 -Module B Exam (3 hrs)	11	12	
No classroom	Module B: Joint Interoperability			Module C		Classroom available (4hrs)	
13	14	15	16	17	18	19	
No classroom	Module C: Inter/Intra Service				Module E	Classroom available (4hrs)	
20	21	22	23	24	25	26	
No classroom	Module E: Patriot Capabilities & Limitations				Module D	Classroom available (4hrs)	
27	28	29 -DD Development (3.5hrs)	30 -DD Development (3.5hrs)	1 -DD Development (3.5hrs)	2 -DD Development (3.5hrs)	3	
No classroom	Module D: Defense Design					Classroom available (8hrs)	
	-DD Development (4.5hrs)	-DD Development (4.5hrs)	-DD Development (4.5hrs)	-DD Development (4.5hrs)	-DD Development (4.5hrs)		



# July 2021

JULY						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
27	28 -Analyze Effective D (3hrs)	29	30	1	2	3
	Module D: Defense Design Development					Classroom available (UTC)
	-DD Development (4.5hrs)					
4	5	6	7	8	9	10
	HOLIDAY	Module D: Defense Design Briefs				
11	12 - AAR -EOC Counseling -Grad Rehearsal Graduation	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	29



# Radar Theory



## **Task:**

Receive an overview of the Patriot radar surveillance, CDI, guidance interface and operational considerations.

## **Condition Statement:**

Given student handouts and a written examination in a classroom environment.

## **Standard Statement:**

Correctly identify Patriot Radar capabilities and limitations within individual defense design. The student must score a minimum of 90% on the written examination.



# Joint Interoperability



## Task:

Identify the information necessary to plan, coordinate, and initialize a Link network in a joint service Multi-TDL Network.

## Condition Statement:

Given student handouts, references, OPTASKLINK and a written examination in a classroom environment.

## Standard Statement:

Identify the purpose of the USMTF program, basic characteristics of Links 11/11B and 16.

The student must score a minimum of 90% on the written examination.



# Inter/Intra-Service



## Task:

Identify Operations and Capabilities of the Airborne Warning and Control System (AWACS), Aegis BMD, Terminal High Altitude Area Defense (THAAD), Control and Reporting Center (CRC), Air Operations Center (AOC), and Tactical Air Operations Center (TAOC) in a joint environment.

## Condition Statement:

Given student handouts, references, in a classroom environment.

## Standard Statement:

Correctly identify the capabilities and limitations of the AWACS, Aegis BMD, THAAD, CRC, AOC, and TAOC by correctly answering check on learning questions.



# Defense Design



## Task:

Analyze the threat and mission; design a defense and the integration/application of specific Patriot, MDMP, and analytical skills/tasks into this process.

## Condition Statement:

Given applicable references, commander's intent, Patriot TOWS in a classroom environment and divided into pairs.

## Standard Statement:

Design a Patriot battalion defense maximizing system performance versus appropriate threat sets utilizing a CONFIG-3 PDB-7 unit. Score a "GO" on both the defense design product and oral presentation





# BM & Patriot Capabilities and Limitations



## Task:

Receive an overview of the capabilities and limitations of enemy ballistic missiles and the Patriot System, and operational considerations.

## Condition Statement:

Given student handouts and a written examination in a classroom environment.

## Standard Statement:

Correctly identify ballistic missile and Patriot System capabilities and limitations. The student must score a minimum of 90% on the written examination.



# Student Responsibilities



- Students who miss more than **four hours** of instruction will be automatically deemed “Academically Deficient” and will not graduate from the Top Gun course.
- If a student misses an exam, the Small Group Leader (SGL) will need a letter documenting the reason. Makeup tests can only be given for reasons such as illness, family emergency, or required court attendance.



# Graduation Requirements



- Receive 90% or higher on all written examinations
- Receive 90% or higher on all Performance Evaluations
- One re-test per examination and cannot receive higher than 90% on re-tests
- The Oral Board examination or Defense Design Product **WILL NOT** be re-tested



# Honor Code



- Not designed to preclude the sharing of knowledge or discourage interaction of fellow students.
- All graded individual requirements, oral or written, must be an individual effort. Absolutely no collaboration or joint work is allowed on **individual** graded requirements.
- Any officer/student suspected of a breach in integrity will be automatically discharged from the Patriot Top Gun course.





# Fort Sill Gates



Jared Monti Hall

Key Gate exit 41  
24/7

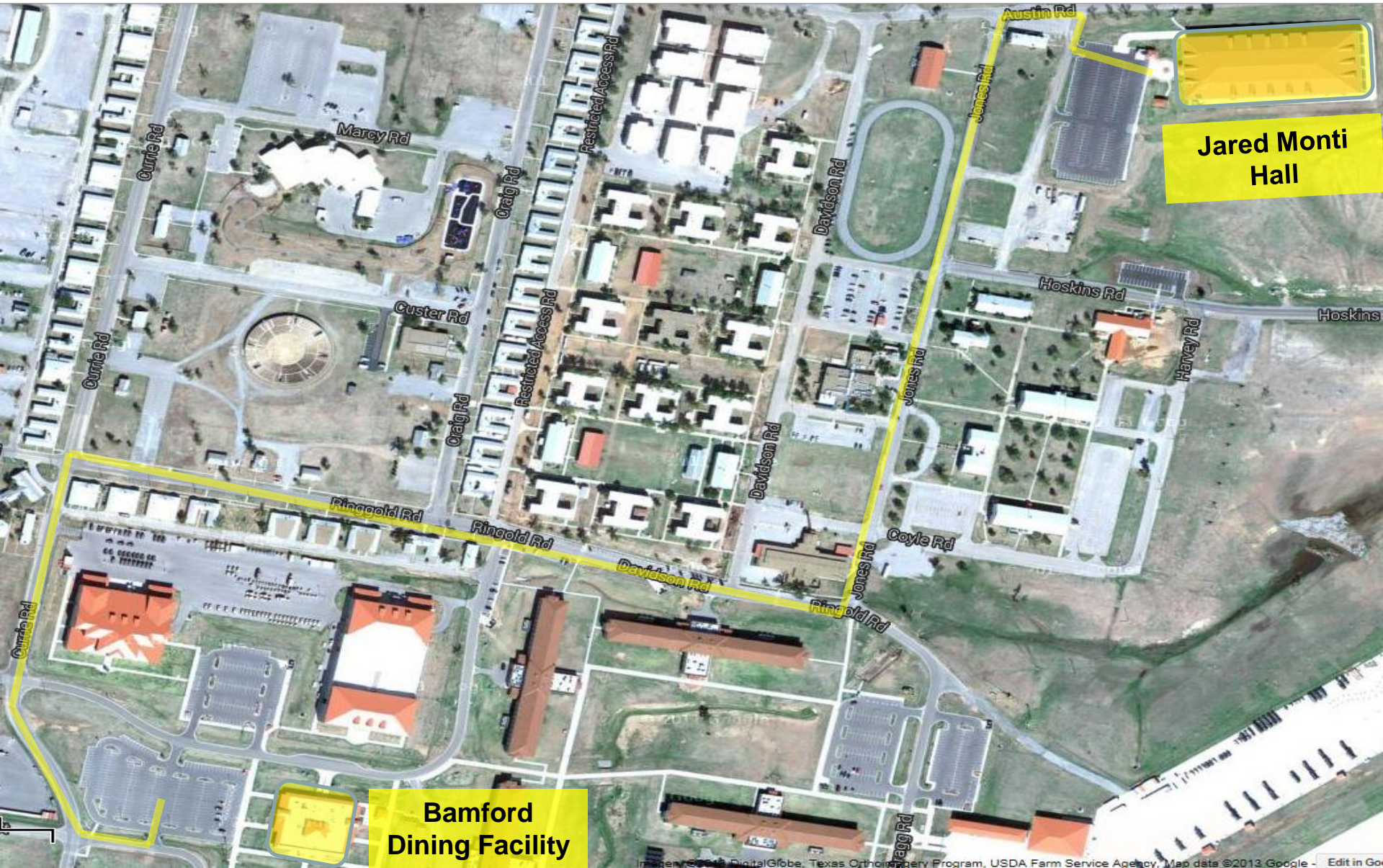
Sheridan Blvd Gate  
24/7

Fort Sill Blvd Gate  
0500-2100





# Map to Dining Facility



**Jared Monti  
Hall**

**Bamford  
Dining Facility**





# Administrative Notes



- Majority of classes will be at the Secret level of discussion.
  - Cellular Phones
  - Notes
  - Class DVD/RW
- Class Leader
- Access Badge
- Lunch
- After Duty Hours: 2 hours per night (weekday), 5 hours per weekend.



# Contact Information



**CW3 Kevin Kruthers, PTG Course Manager**

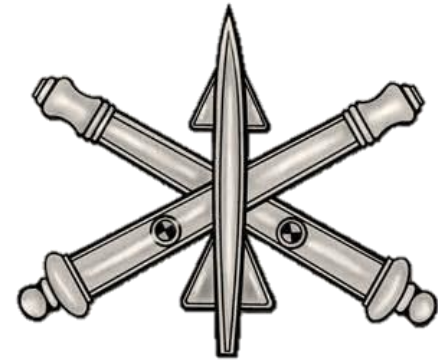
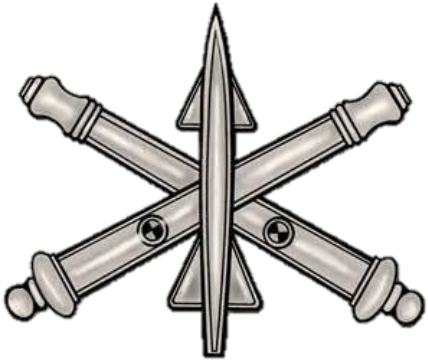
**Office (580) 442-5583**

**Cell (580) 514-4363**

**Jared Monti Hall, Room 116**



# Questions?





*CPT HEANEY*

*HEADQUARTERS / A BATTERY  
COMMANDER*





*LTC MINOTT*

*3-6 ADA BATTALION  
COMMANDER*